



SEQUENCE LISTING

<110> Pfizer, Inc. and Pfizer Products, Inc.

<120> METHODS AND COMPOSITIONS FOR DIAGNOSING AND TREATING DISORDERS INVOLVING ANGIOGENESIS

<130> 3153.00234/PC10790A

<140> US 09/938,391

<141> 2001-08-24

<150> US PROV NO. 60/227,924

<151> 2000-08-25

<160> 15

<170> PatentIn version 3.2

<210> 1

<211> 829

<212> DNA

<213> CANINE

<400> 1

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cccggtccaca	cccacacca	caccacaccag	gacttccagc	tggtgctgca	cctggtggcc	180
ctgaacagcc	cgcagccggg	cggcatgcga	ggcatccggg	gagcggactt	ccagtgcctc	240
cagcaggcgc	gcgcccgggg	gctggccggc	accttccggg	ccttcctgtc	gtcgcggctg	300
caggacctct	acagcatcgt	gcgcccgccc	gaccgcaccg	gggtgcccgt	cgtcaacctc	360
agggacgagg	tgctcttccc	cagctgggag	gccttattct	cgggctccga	gggccagctg	420
aagcccgggg	cccgcatctt	ctctttcgac	ggcagagatg	tcctgcagca	ccccgcctgg	480
ccccggaaga	gcgtgtggca	cggctccgac	cccagcgggc	gccgcctgac	cgacagctac	540
tgcgagacgt	ggcggacgga	ggccccggcg	gccaccgggc	aggcgtcgtc	gctgctggcg	600
ggcaggctgc	tggagcagga	ggccgcgagc	tgccgccacg	ccttcgtggt	gctctgcatc	660
gagaacagcg	tcatgacctc	cttctccaag	tagggccgcg	cggcccacgg	acaggcgggg	720
gagggggcgc	ccgcaggagc	atccgcgcgc	ccgggggggc	ctggccggga	cgcttgcttg	780
caccgtcacg	tttaatgtaa	tcctcaagaa	ataaaaggaa	gccaaagag		829

<210> 2

<211> 230

<212> PRT

<213> CANINE

<400> 2

Pro Trp Arg Ala Asp Asp Ile Leu Ala Gly Pro Pro Arg Leu Leu Asp
1 5 10 15

Pro Gln Pro Tyr Pro Gly Ala Pro His His Gly Ser Tyr Val His Phe
20 25 30

Gln Pro Ala Arg Pro Thr Gly Gly Pro Val His Thr His Thr His Thr
35 40 45

His Gln Asp Phe Gln Leu Val Leu His Leu Val Ala Leu Asn Ser Pro
50 55 60

Gln Pro Gly Gly Met Arg Gly Ile Arg Gly Ala Asp Phe Gln Cys Phe
65 70 75 80

Gln Gln Ala Arg Ala Ala Gly Leu Ala Gly Thr Phe Arg Ala Phe Leu
85 90 95

Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala Asp Arg
100 105 110

Thr Gly Val Pro Val Val Asn Leu Arg Asp Glu Val Leu Phe Pro Ser
115 120 125

Trp Glu Ala Leu Phe Ser Gly Ser Glu Gly Gln Leu Lys Pro Gly Ala
130 135 140

Arg Ile Phe Ser Phe Asp Gly Arg Asp Val Leu Gln His Pro Ala Trp
145 150 155 160

Pro Arg Lys Ser Val Trp His Gly Ser Asp Pro Ser Gly Arg Arg Leu
165 170 175

Thr Asp Ser Tyr Cys Glu Thr Trp Arg Thr Glu Ala Pro Ala Ala Thr
180 185 190

Gly Gln Ala Ser Ser Leu Leu Ala Gly Arg Leu Leu Glu Gln Glu Ala
195 200 205

Ala Ser Cys Arg His Ala Phe Val Val Leu Cys Ile Glu Asn Ser Val
210 215 220

Met Thr Ser Phe Ser Lys
225 230

<211> 555
 <212> DNA
 <213> CANINE

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 ggcggcatgc gaggcattccg gggagcggac ttccagtgtt tccagcaggc gcgcgccgcg 120
 gggctggccg gcaccttccg ggccttcttg tcgtcgccgc tgcaggacct ctacagcatc 180
 gtgcgccgcg ccgaccgcac cggggtgccc gtcgtcaacc tcagggacga ggtgctcttc 240
 cccagctggg aggccttatt ctggggctcc gagggccagc tgaagcccgg ggcccgcac 300
 ttctctttcg acggcagaga tgtcctgcag caccgccctt ggccccggaa gagcgtgtgg 360
 cacggctccg accccagcgg gcgccgcctg accgacagct actgcgagac gtggcggacg 420
 gagggccccg cggccaccgg gcaggcgtcg tcgtgtgtgg cgggcaggct gctggagcag 480
 gagggcgcga gctgccgccg cgccttcgtg gtgctctgca tcgagaacag cgtcatgacc 540
 tcctttctcca agtag 555

<210> 4
 <211> 184
 <212> PRT
 <213> CANINE

<400> 4

His Thr His Gln Asp Phe Gln Leu Val Leu His Leu Val Ala Leu Asn
 1 5 10 15

Ser Pro Gln Pro Gly Gly Met Arg Gly Ile Arg Gly Ala Asp Phe Gln
 20 25 30

Cys Phe Gln Gln Ala Arg Ala Ala Gly Leu Ala Gly Thr Phe Arg Ala
 35 40 45

Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala
 50 55 60

Asp Arg Thr Gly Val Pro Val Val Asn Leu Arg Asp Glu Val Leu Phe
 65 70 75 80

Pro Ser Trp Glu Ala Leu Phe Ser Gly Ser Glu Gly Gln Leu Lys Pro
 85 90 95

Gly Ala Arg Ile Phe Ser Phe Asp Gly Arg Asp Val Leu Gln His Pro
 100 105 110

Ala Trp Pro Arg Lys Ser Val Trp His Gly Ser Asp Pro Ser Gly Arg
 115 120 125

Arg Leu Thr Asp Ser Tyr Cys Glu Thr Trp Arg Thr Glu Ala Pro Ala
 130 135 140

Ala Thr Gly Gln Ala Ser Ser Leu Leu Ala Gly Arg Leu Leu Glu Gln
 145 150 155 160

Glu Ala Ala Ser Cys Arg His Ala Phe Val Val Leu Cys Ile Glu Asn
 165 170 175

Ser Val Met Thr Ser Phe Ser Lys
 180

<210> 5
 <211> 27
 <212> DNA
 <213> MURINE

<400> 5
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27

<210> 6
 <211> 35
 <212> DNA
 <213> MURINE

<400> 6
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35

<210> 7
 <211> 33
 <212> DNA
 <213> CANINE

<400> 7
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33

<210> 8
 <211> 34
 <212> DNA
 <213> CANINE

<400> 8
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34

<210> 9
 <211> 32
 <212> DNA
 <213> MURINE

<400> 9
ctagagatct catactcatc aggactttca gc 32

<210> 10
<211> 32
<212> DNA
<213> MURINE

<400> 10
gctagtcgac ctatttgag aaagaggtca tg 32

<210> 11
<211> 184
<212> PRT
<213> CHICKEN

<400> 11

His Val His Gln Asp Phe Gln Pro Ala Leu His Leu Val Ala Leu Asn
1 5 10 15

Thr Pro Leu Ser Gly Gly Met Arg Gly Ile Arg Gly Ala Asp Phe Gln
20 25 30

Cys Phe Gln Gln Ala Arg Gln Val Gly Leu Ala Gly Thr Phe Arg Ala
35 40 45

Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala
50 55 60

Asp Arg Thr Ala Val Pro Ile Val Asn Leu Arg Asp Glu Val Leu Phe
65 70 75 80

Ser Asn Trp Glu Ala Leu Phe Thr Gly Ser Glu Ala Pro Leu Arg Ala
85 90 95

Gly Ala Arg Ile Leu Ser Phe Asp Gly Arg Asp Ile Leu Gln Asp Ser
100 105 110

Ala Trp Pro Gln Lys Ser Ile Trp His Gly Ser Asp Ala Lys Gly Arg
115 120 125

Arg Leu Pro Glu Ser Tyr Cys Glu Ala Trp Arg Thr Asp Glu Arg Gly
130 135 140

Thr Ser Gly Gln Ala Ser Ser Leu Ser Ser Gly Lys Leu Leu Glu Gln
145 150 155 160

Ser Ala Ser Ser Cys Gln His Ala Phe Val Val Leu Cys Ile Glu Asn

165 170 175

Ser Phe Met Thr Ala Ala Lys Lys
180

<210> 12
<211> 183
<212> PRT
<213> HUMAN

<400> 12

His Ser His Arg Asp Phe Gln Pro Val Leu His Leu Val Ala Leu Asn
1 5 10 15

Ser Pro Leu Ser Gly Gly Met Arg Gly Ile Arg Gly Ala Asp Phe Gln
20 25 30

Cys Phe Gln Gln Ala Arg Ala Val Gly Leu Ala Gly Thr Phe Arg Ala
35 40 45

Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala
50 55 60

Asp Arg Ala Ala Val Pro Ile Val Asn Leu Lys Asp Glu Leu Leu Phe
65 70 75 80

Pro Ser Trp Glu Ala Leu Phe Ser Gly Ser Glu Gly Pro Leu Lys Pro
85 90 95

Gly Ala Arg Ile Phe Ser Phe Asp Gly Lys Asp Val Leu Arg His Pro
100 105 110

Ile Trp Pro Gln Lys Ser Val Trp His Gly Ser Asp Pro Asn Gly Arg
115 120 125

Arg Leu Thr Glu Ser Tyr Cys Glu Thr Trp Arg Thr Glu Ala Pro Ser
130 135 140

Ala Thr Gly Gln Ala Ser Ser Leu Leu Gly Gly Arg Leu Leu Gly Gln
145 150 155 160

Ser Ala Ala Ser Cys His His Ala Tyr Ile Val Leu Cys Ile Glu Asn
165 170 175

Ser Phe Met Thr Ala Ser Lys
180

<210> 13
<211> 184
<212> PRT
<213> MURINE

<400> 13

His Thr His Gln Asp Phe Gln Pro Val Leu His Leu Val Ala Leu Asn
1 5 10 15

Thr Pro Leu Ser Gly Gly Met Arg Gly Ile Arg Gly Ala Asp Phe Gln
20 25 30

Cys Phe Gln Gln Ala Arg Ala Val Gly Leu Ser Gly Thr Phe Arg Ala
35 40 45

Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala
50 55 60

Asp Arg Gly Ser Val Pro Ile Val Asn Leu Lys Asp Glu Val Leu Ser
65 70 75 80

Pro Ser Trp Asp Ser Leu Phe Ser Gly Ser Gln Gly Gln Leu Gln Pro
85 90 95

Gly Ala Arg Ile Phe Ser Phe Asp Gly Arg Asp Val Leu Arg His Pro
100 105 110

Ala Trp Pro Gln Lys Ser Val Trp His Gly Ser Asp Pro Ser Gly Arg
115 120 125

Arg Leu Met Glu Ser Tyr Cys Glu Thr Trp Arg Thr Glu Thr Thr Gly
130 135 140

Ala Thr Gly Gln Ala Ser Ser Leu Leu Ser Gly Arg Leu Leu Glu Gln
145 150 155 160

Lys Ala Ala Ser Cys His Asn Ser Tyr Ile Val Leu Cys Ile Glu Asn
165 170 175

Ser Phe Met Thr Ser Phe Ser Lys
180

<210> 14
<211> 32
<212> DNA
<213> CANINE

<400> 14
ctagagatct cacacccacc aggacttcca gc 32

<210> 15
<211> 34
<212> DNA
<213> CANINE

<400> 15
cgtagtcgac ctacttggag aaggaggtca tgac 34